JP 2004-280660

FIG.1

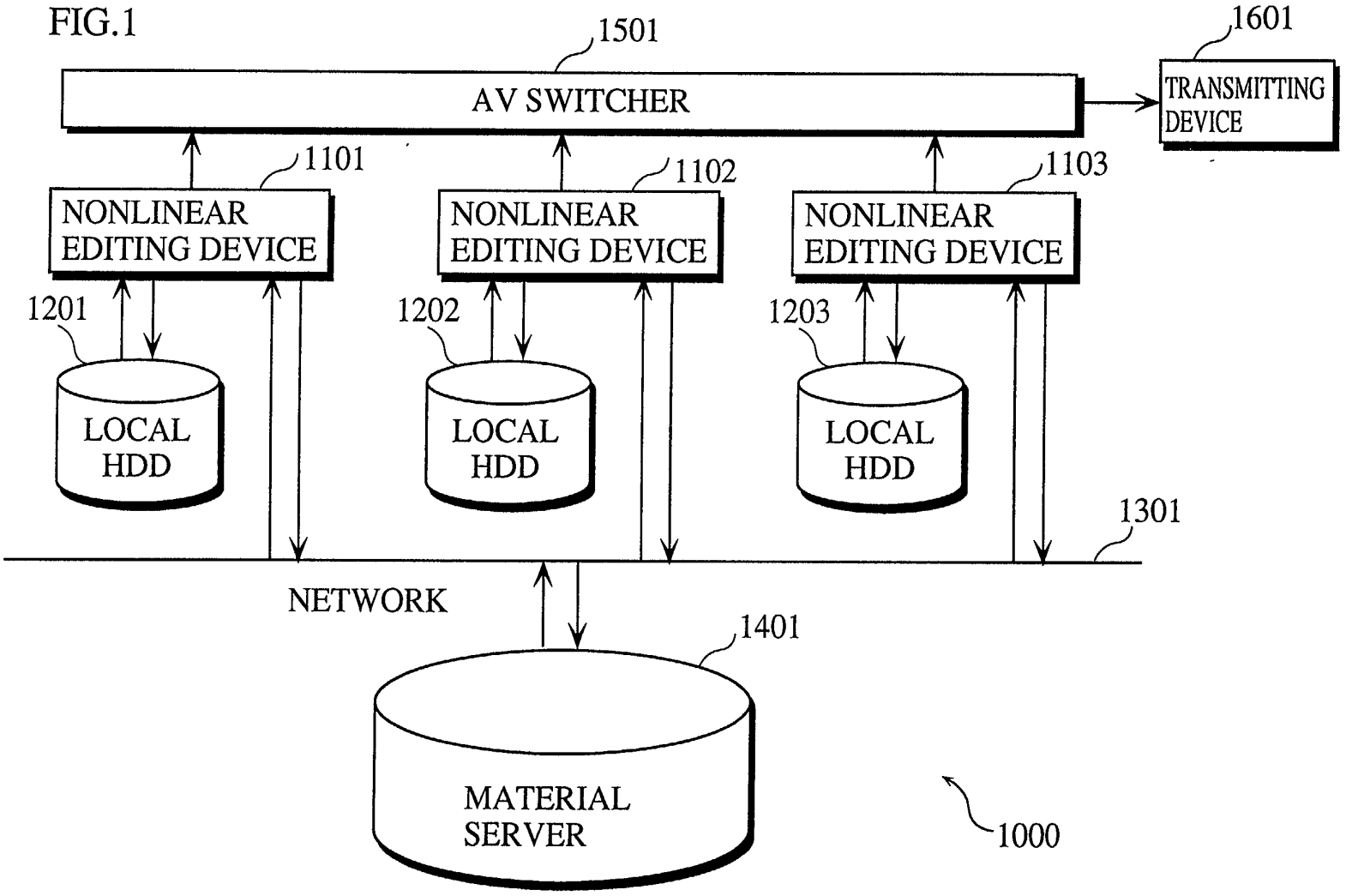

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FIG.2

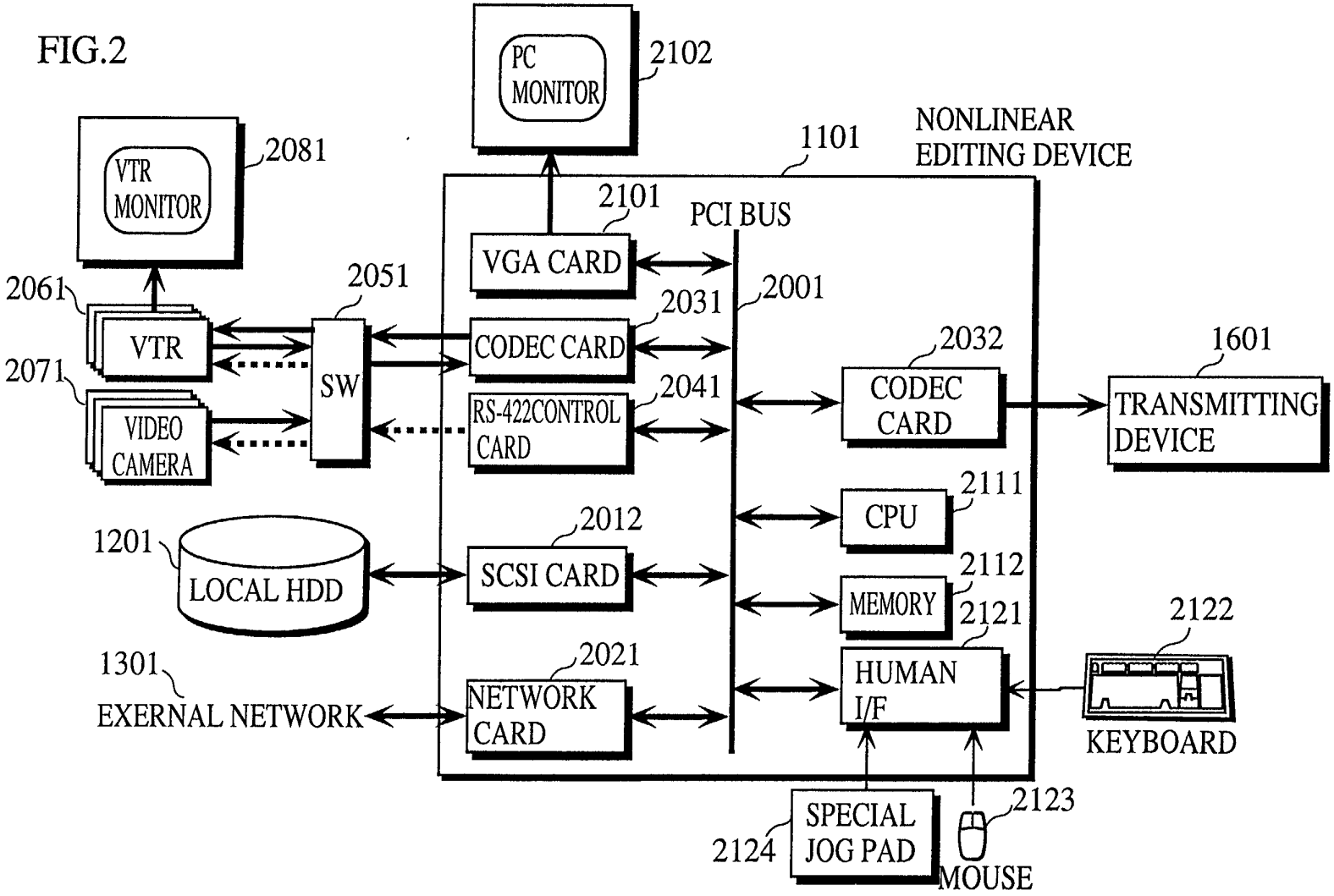

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FIG.3

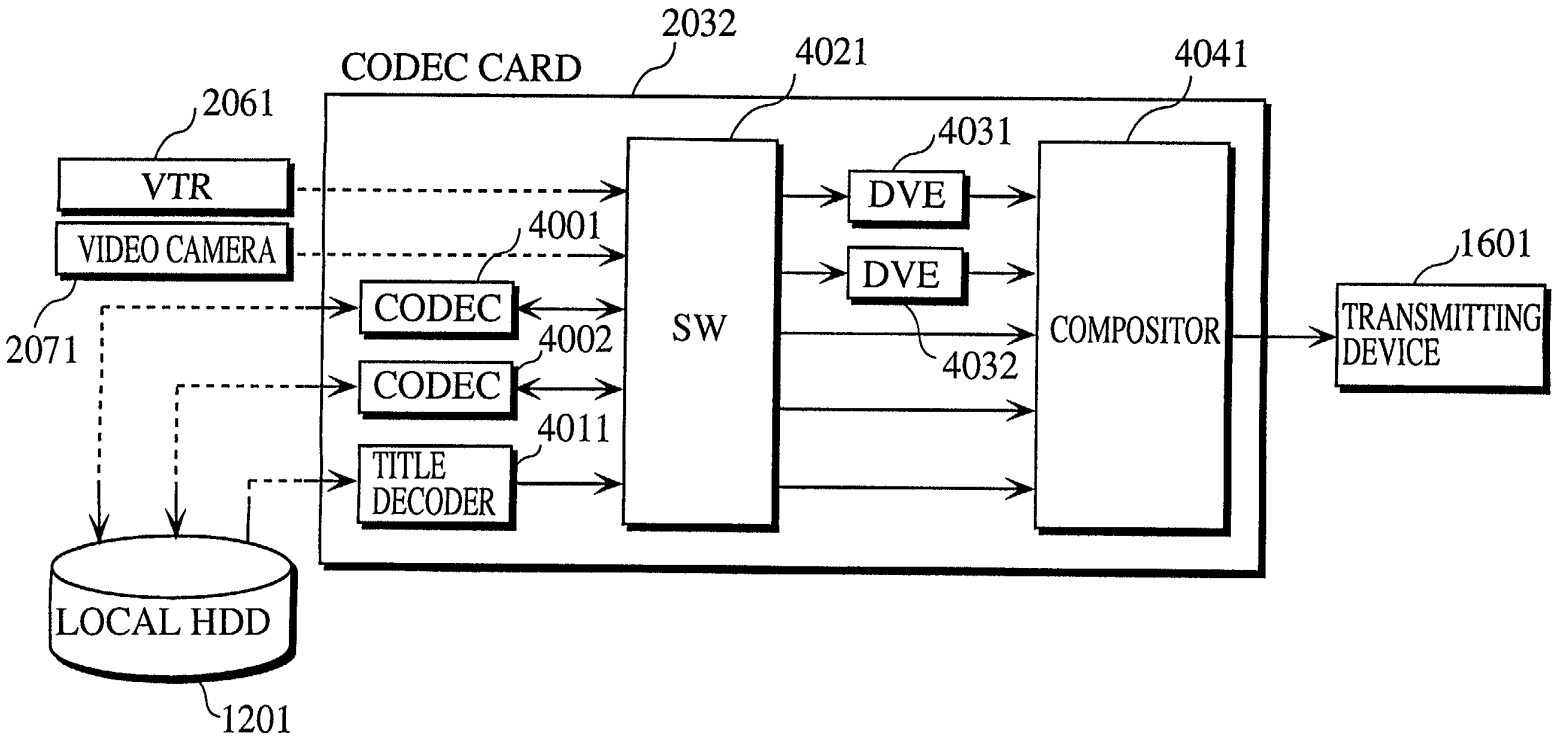

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FIG.4

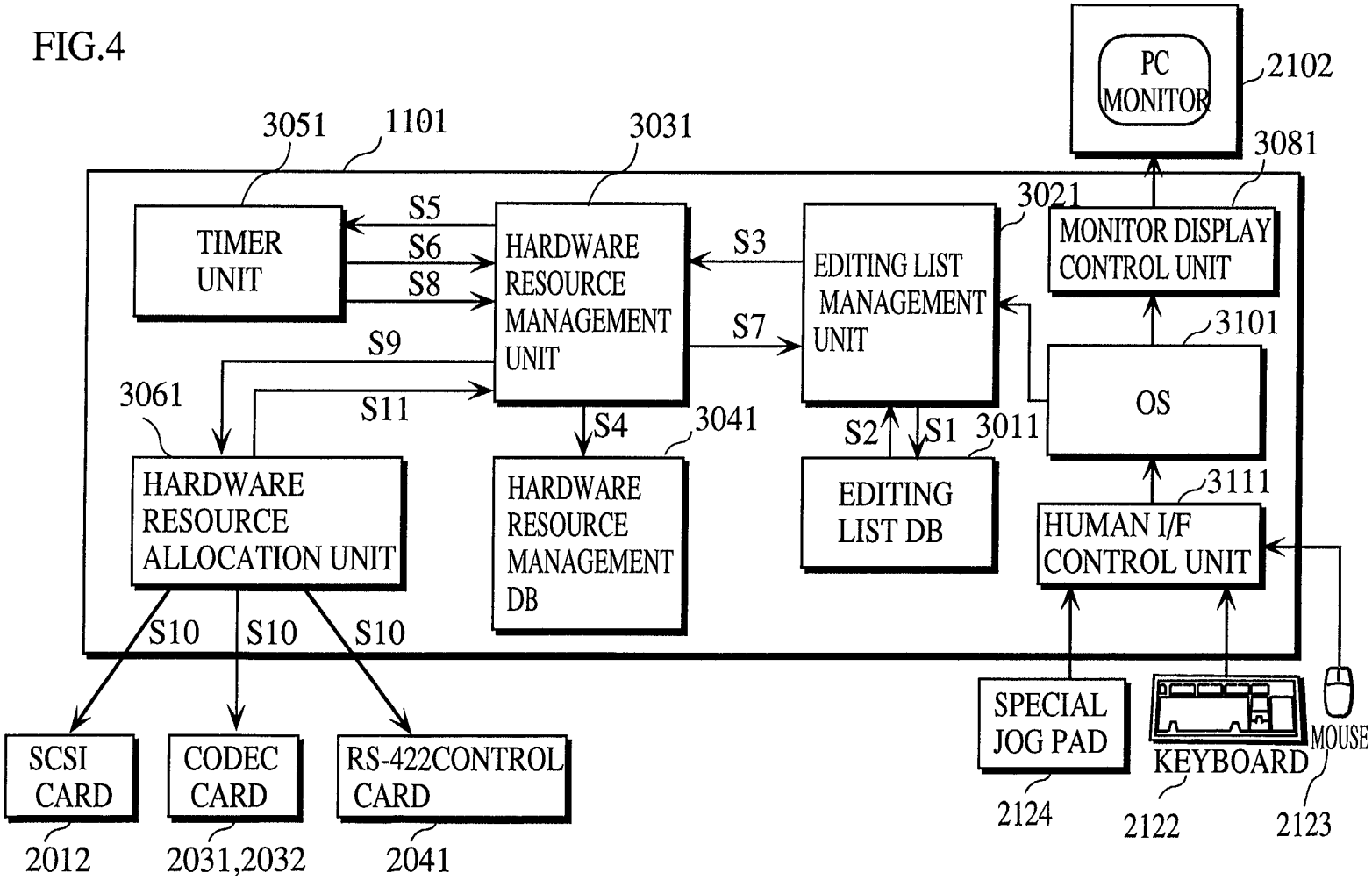

FIG.5

6001 EDITING LIST No.	6002 TRACK	6003 MATERIAL ID	6004 IN-POINT	6005 OUT-POINT	6006 DURATION
5001	A/B ROLL	CUT 1	18:00:00:00	18:04:29:29	00:04:30:00
		CUT 2	18:04:00:00	18:08:59:29	00:05:00:00
		CUT 3	18:08:30:00	18:13:59:29	00:05:30:00
	KEY	CUT 4	18:10:30:00	18:11:59:29	00:01:30:00

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FIG.6

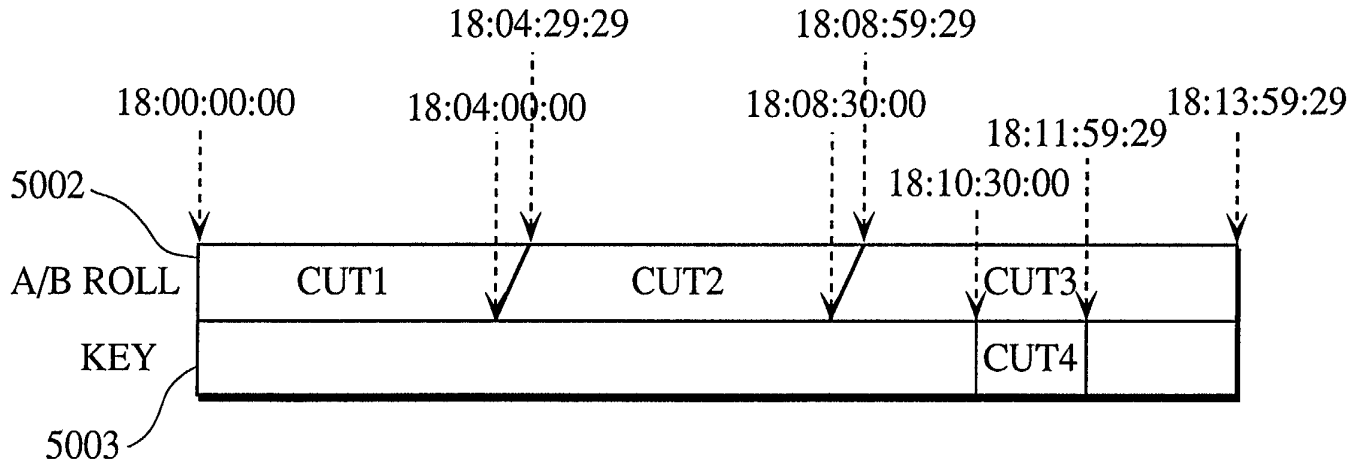

FIG.7

7000

7001 RESOURCE ID	7002 MAXIMUM VALUE	7003 EDITING LIST No.	7004 MATERIAL ID	7005 OCCUPANCY	7006 IN-POINT	7007 OUT-POINT	7008 DURATION
LOCAL HDD BAND	200Mbps	5001	CUT 1	60Mbps	18:00:00:00	18:04:29:29	00:04:30:00
			CUT 2	60Mbps	18:04:00:00	18:08:59:29	00:05:00:00
			CUT 3	60Mbps	18:08:30:00	18:13:59:29	00:05:30:00
			CUT 4	60Mbps	18:10:30:00	18:11:59:29	00:01:30:00

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FIG.8

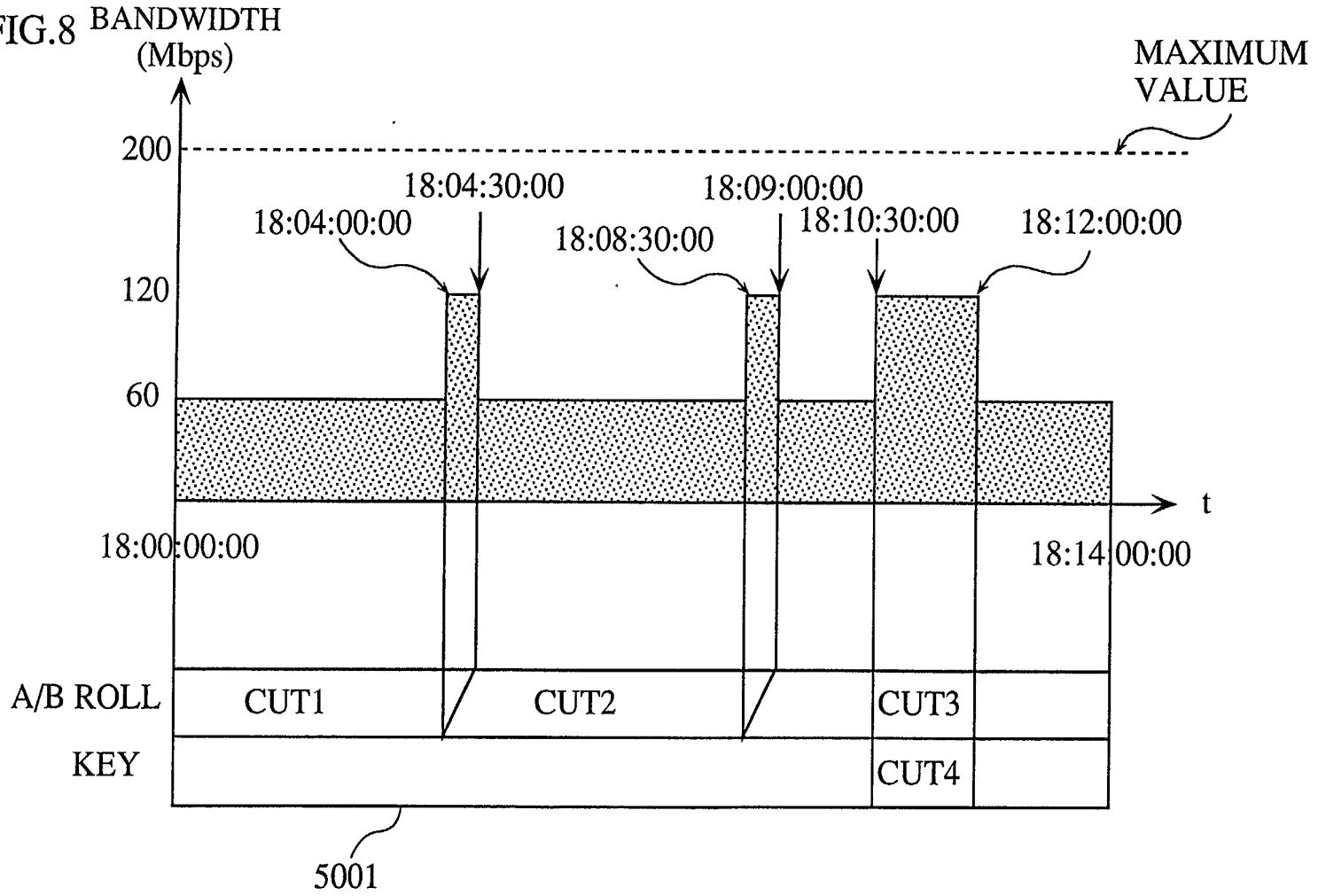

FIG.9

8001 ALLOCATION TIME	8002 RESOURCE ID	8003 TIMER ID	8004 ALLOCATION TYPE	8005 TOTAL OCCUPANCY
18:00:00:00	LOCAL HDD BAND	CUT 1	In	60Mbps
18:04:00:00		CUT 2	In	120Mbps
18:04:30:00		CUT 1	Out	60Mbps
18:08:30:00		CUT 3	In	120Mbps
18:09:00:00		CUT 2	Out	60Mbps
18:10:30:00		CUT 4	In	120Mbps
18:12:00:00		CUT 4	Out	60Mbps
18:14:00:00		CUT 3	Out	0Mbps

8000

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FIG.10

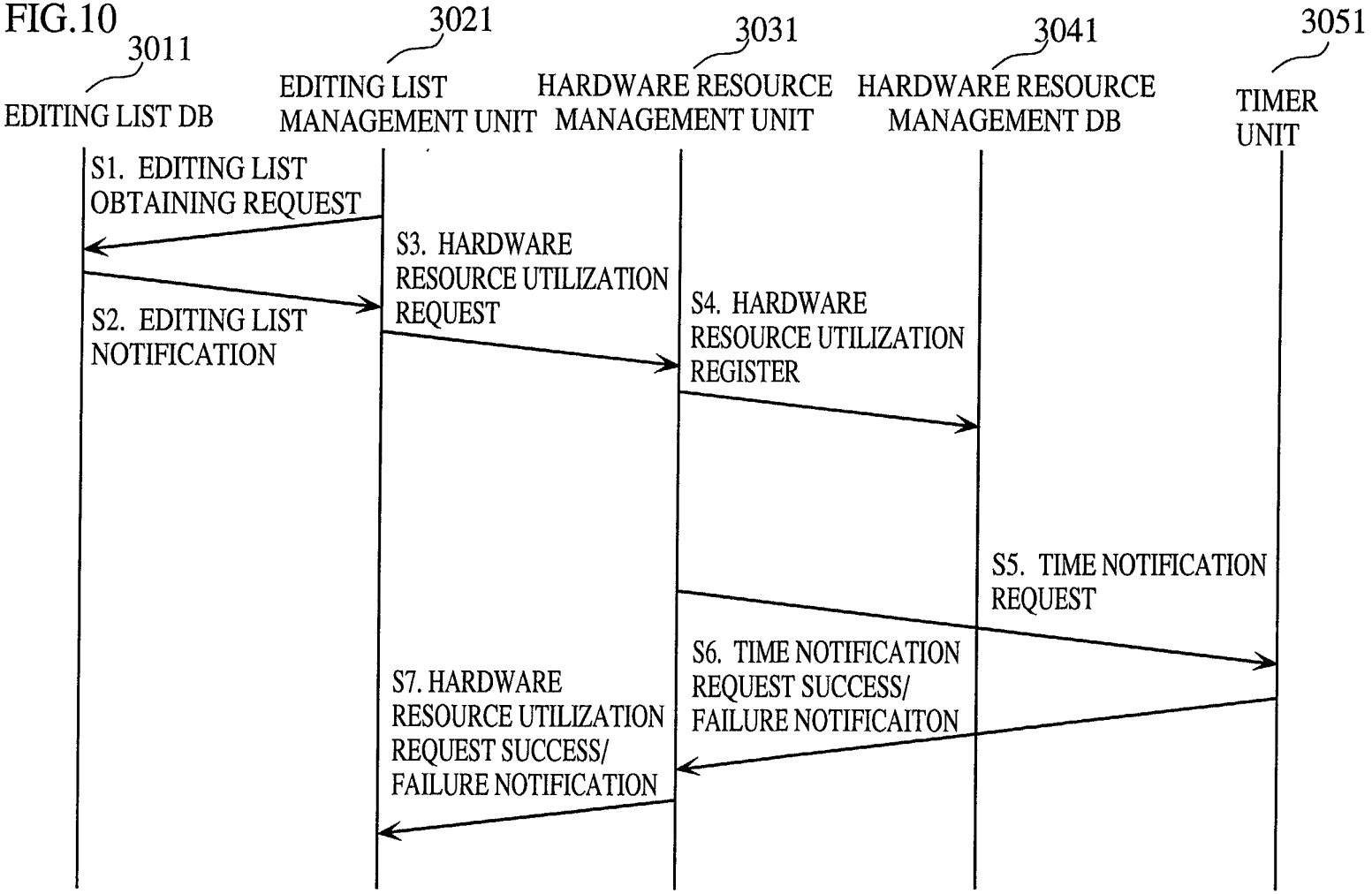

FIG.11

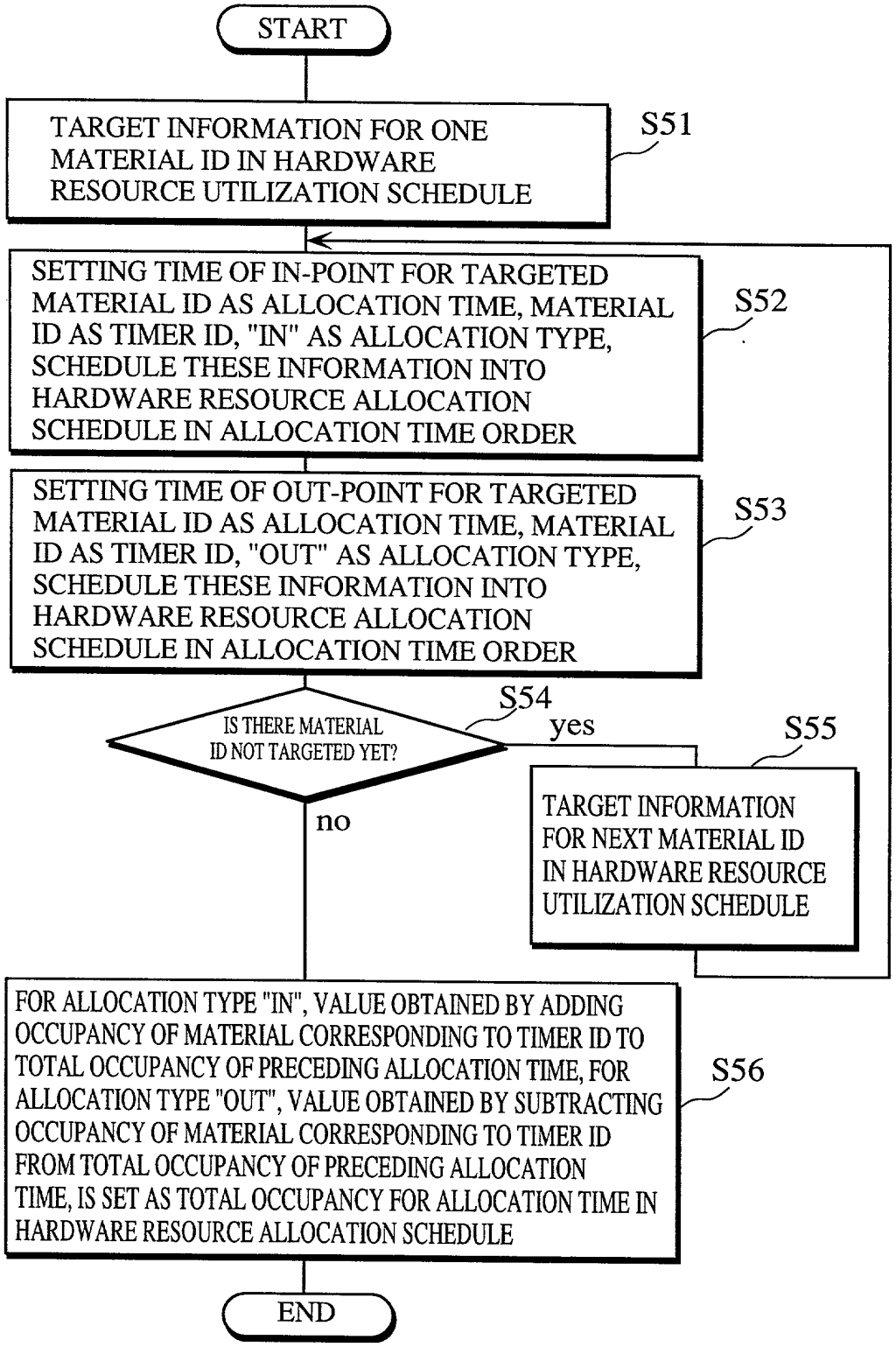
START
TARGET INFORMATION FOR ONE MATERIAL ID IN HARDWARE RESOURCE UTILIZATION SCHEDULE
S51
SETTING TIME OF IN-POINT FOR TARGETED MATERIAL ID AS ALLOCATION TIME, MATERIAL ID AS TIMER ID, "IN" AS ALLOCATION TYPE, SCHEDULE THESE INFORMATION INTO HARDWARE RESOURCE ALLOCATION SCHEDULE IN ALLOCATION TIME ORDER
S52
SETTING TIME OF OUT-POINT FOR TARGETED MATERIAL ID AS ALLOCATION TIME, MATERIAL ID AS TIMER ID, "OUT" AS ALLOCATION TYPE, SCHEDULE THESE INFORMATION INTO HARDWARE RESOURCE ALLOCATION SCHEDULE IN ALLOCATION TIME ORDER
S53
IS THERE MATERIAL ID NOT TARGETED YET?
S54
yes
S55
TARGET INFORMATION FOR NEXT MATERIAL ID IN HARDWARE RESOURCE UTILIZATION SCHEDULE
no
FOR ALLOCATION TYPE "IN", VALUE OBTAINED BY ADDING OCCUPANCY OF MATERIAL CORRESPONDING TO TIMER ID TO TOTAL OCCUPANCY OF PRECEDING ALLOCATION TIME, FOR ALLOCATION TYPE "OUT", VALUE OBTAINED BY SUBTRACTING OCCUPANCY OF MATERIAL CORRESPONDING TO TIMER ID FROM TOTAL OCCUPANCY OF PRECEDING ALLOCATION TIME, IS SET AS TOTAL OCCUPANCY FOR ALLOCATION TIME IN HARDWARE RESOURCE ALLOCATION SCHEDULE
S56
END

FIG.12

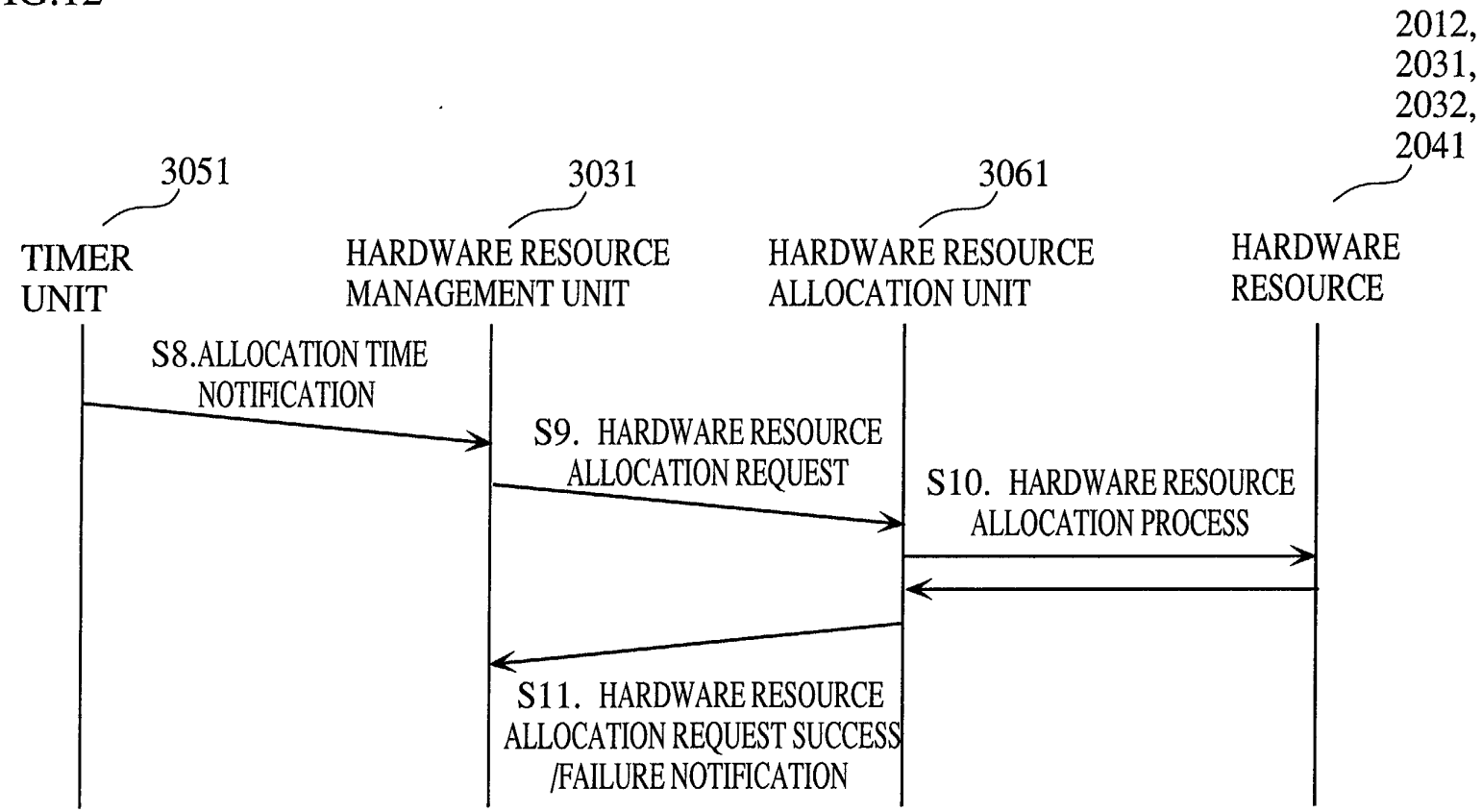
2012,
2031,
2032,
2041
3051
3031
3061
TIMER UNIT
HARDWARE RESOURCE MANAGEMENT UNIT
HARDWARE RESOURCE ALLOCATION UNIT
HARDWARE RESOURCE
S8.ALLOCATION TIME NOTIFICATION
S9. HARDWARE RESOURCE ALLOCATION REQUEST
S10. HARDWARE RESOURCE ALLOCATION PROCESS
S11. HARDWARE RESOURCE ALLOCATION REQUEST SUCCESS /FAILURE NOTIFICATION

FIG.13

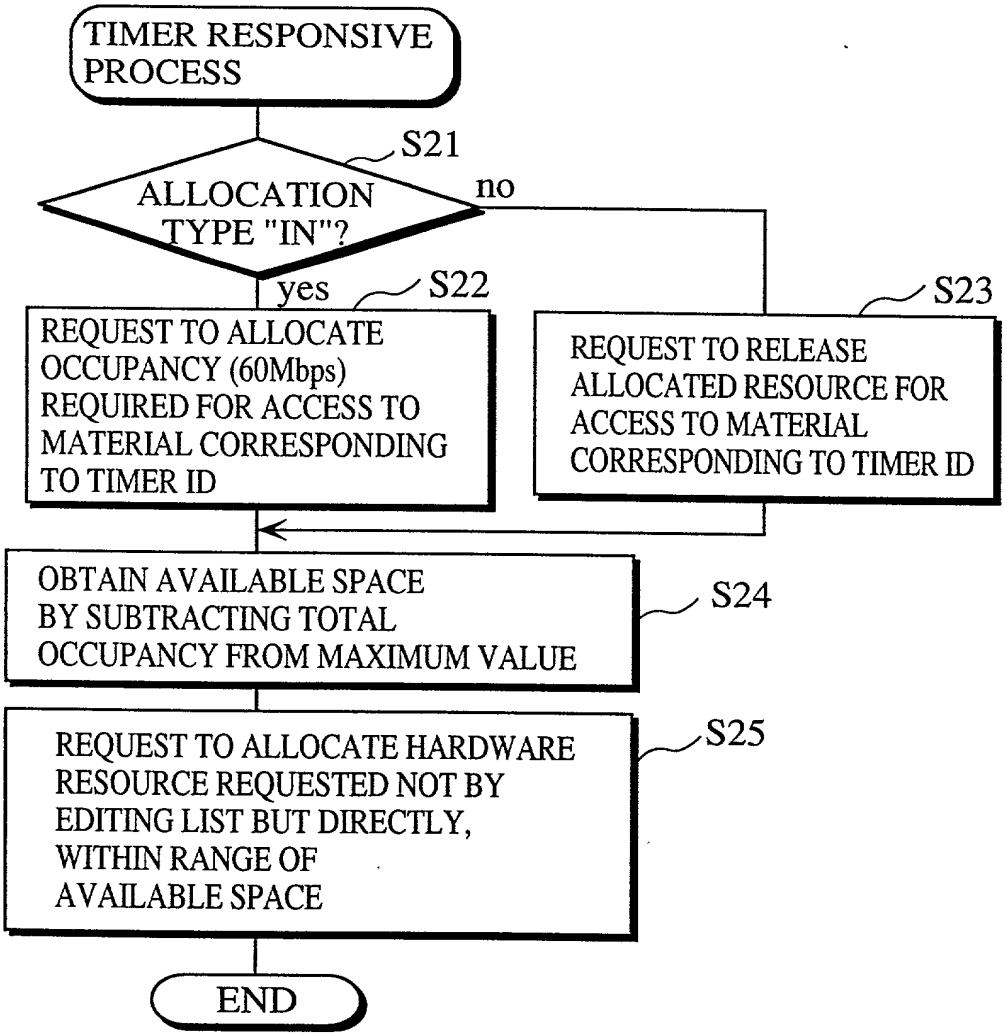
TIMER RESPONSIVE PROCESS
S21
ALLOCATION TYPE "IN"?
no
yes
S22
S23
REQUEST TO ALLOCATE OCCUPANCY (60Mbps) REQUIRED FOR ACCESS TO MATERIAL CORRESPONDING TO TIMER ID
REQUEST TO RELEASE ALLOCATED RESOURCE FOR ACCESS TO MATERIAL CORRESPONDING TO TIMER ID
OBTAIN AVAILABLE SPACE BY SUBTRACTING TOTAL OCCUPANCY FROM MAXIMUM VALUE
S24
REQUEST TO ALLOCATE HARDWARE RESOURCE REQUESTED NOT BY EDITING LIST BUT DIRECTLY, WITHIN RANGE OF AVAILABLE SPACE
S25
END

FIG.14

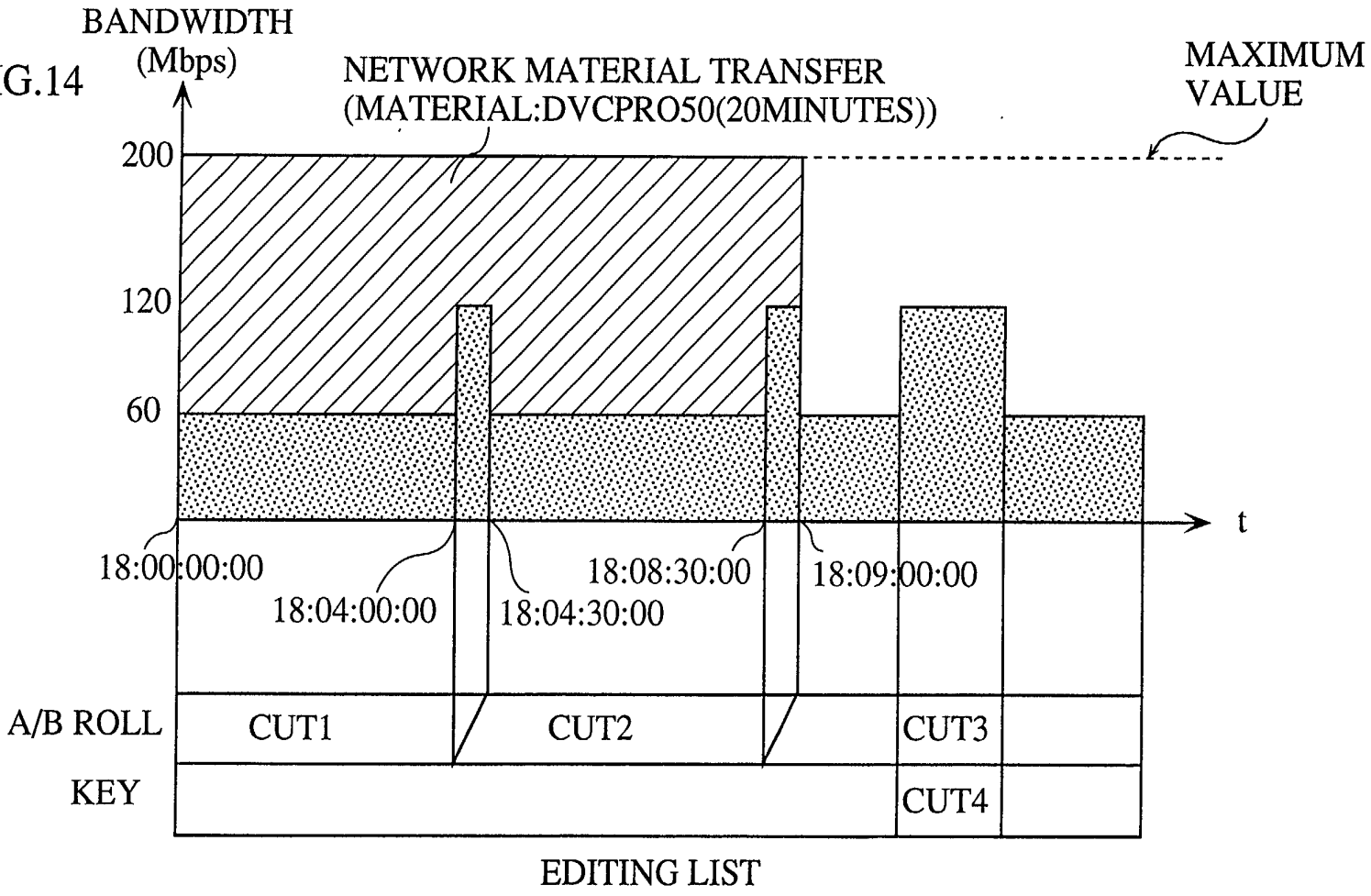
BANDWIDTH
(Mbps)
NETWORK MATERIAL TRANSFER
(MATERIAL:DVCPRO50(20MINUTES))
MAXIMUM
VALUE
200
120
60
t
18:00:00:00
18:04:00:00
18:04:30:00
18:08:30:00
18:09:00:00
A/B ROLL
CUT1
CUT2
CUT3
KEY
CUT4
EDITING LIST

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FIG.15

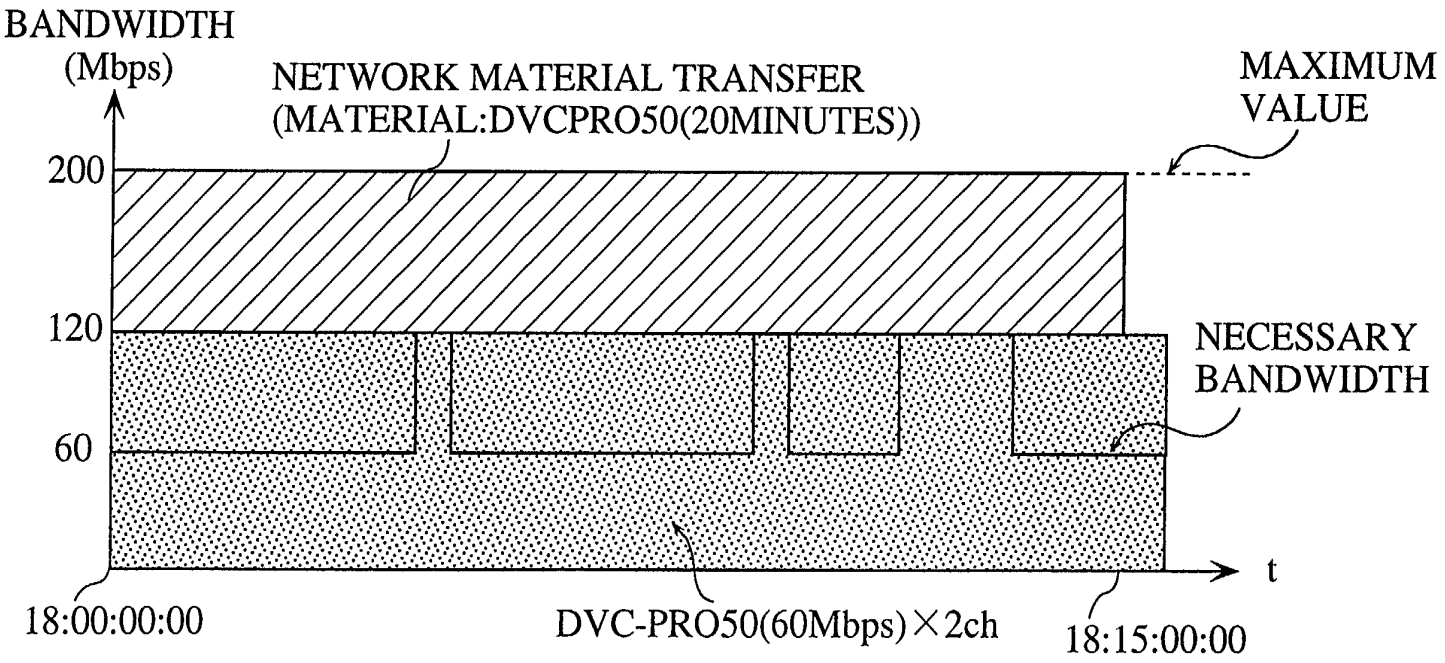

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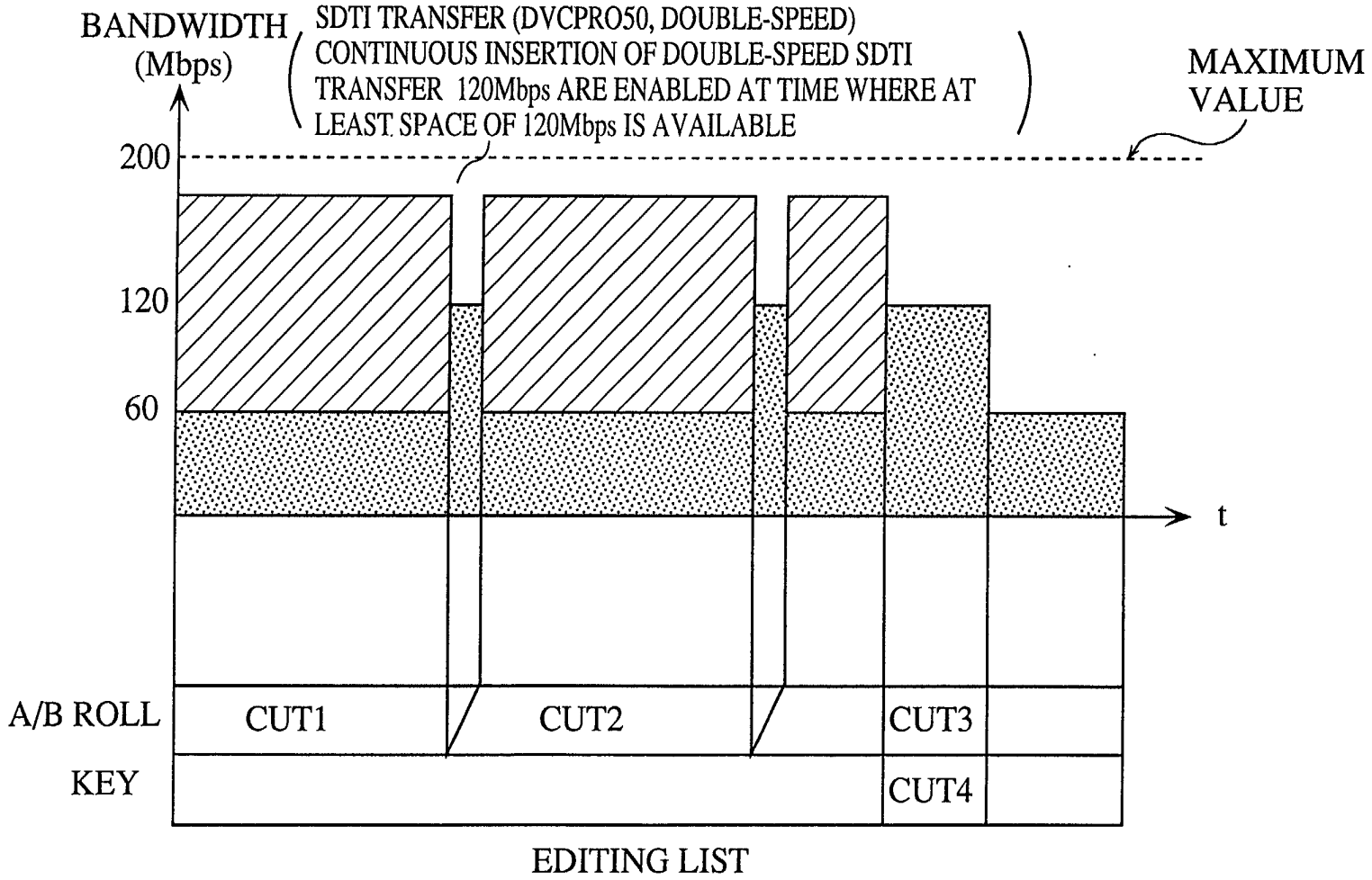
FIG.16



EDITING LIST

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FIG.17

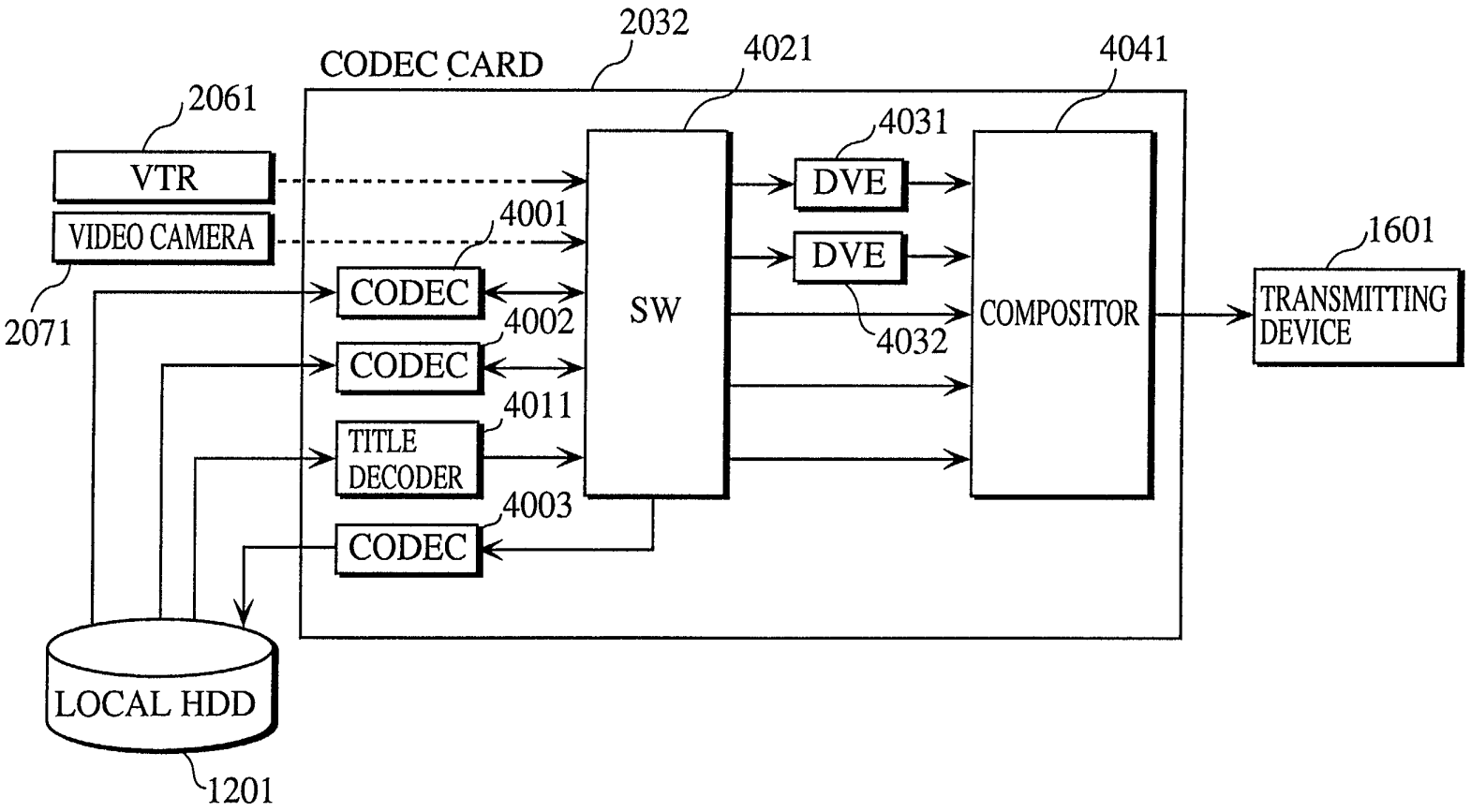
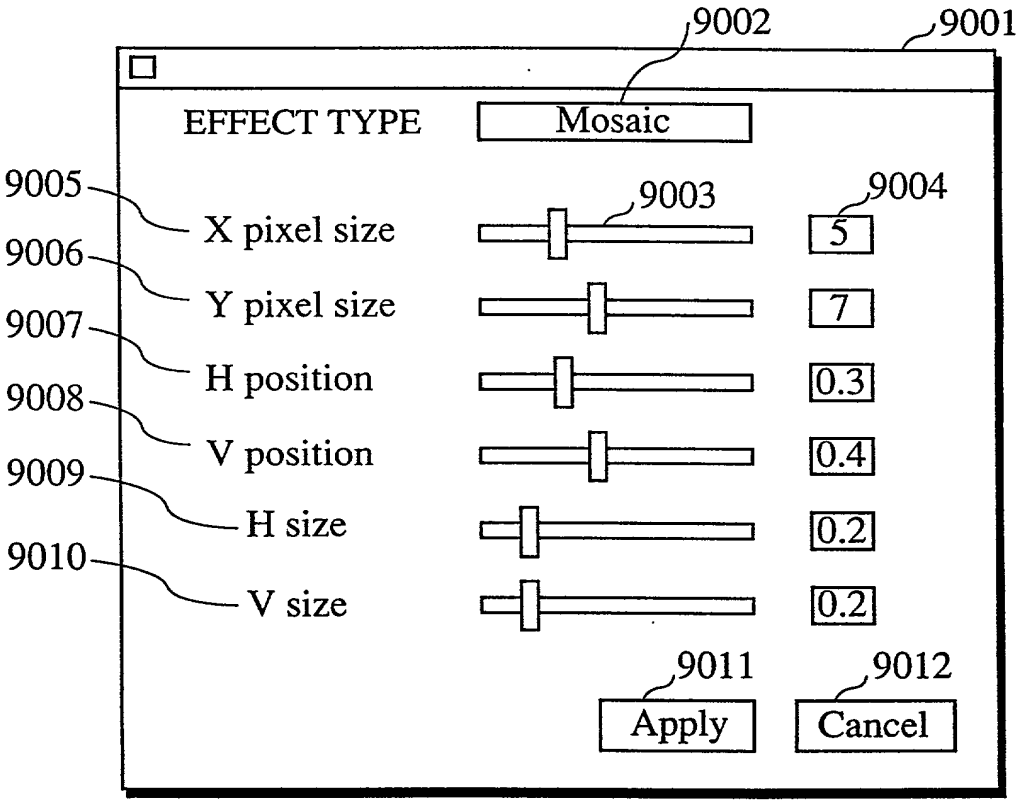


FIG.18


9002
9001
EFFECT TYPE
Mosaic
9005
X pixel size
9003
9004
5
9006
Y pixel size
7
9007
H position
0.3
9008
V position
0.4
9009
H size
0.2
9010
V size
0.2
9011
9012
Apply
Cancel